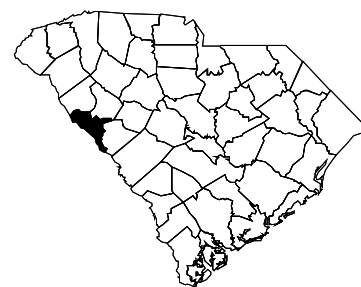


IMPACT OF CHRONIC CONDITIONS MCCORMICK County, 2005



In the year 2005, the leading causes of death among South Carolinians were heart disease, cancer, stroke, accidents, chronic lower respiratory disease, Alzheimer's disease, diabetes, nephritis, nephritic syndrome, nephrosis, pneumonia and influenza and septicemia. This report focuses on the chronic conditions of the population of McCormick county, and is compared to the overall chronic conditions of the population of South Carolina as a whole.

The distribution of McCormick county's population is similar to the state population. The majority (35%) of the population in McCormick county are between the ages of 18-44. There are more males (54%) than females (46%). McCormick county has a higher minority population (52%) than the state (31%). The elderly population (20%) is higher than the state (12%). When adults in DHEC's Region 1, which includes McCormick County, were asked about their general health status, 79.3% reported having excellent, very good, or good health in 2005 (SC was 82%).

	MCCORMICK COUNTY	STATE
Population size	10,108	4,255,083
Age distribution (%)		
<18	17	24
18-44	35	38
45-64	28	25
65-84	18	11
85+	2	2
Race (%)		
White	48	69
Black & Other	52	31
Sex (%)		
Male	54	49
Female	46	51

In spite of the overall reports of good health given by the citizens of the Palmetto State, chronic conditions are still making an impact on the health of many South Carolinians. Through primary and secondary prevention we hope to reduce the risk factors that contribute to the major chronic diseases and leading causes of death among South Carolinians.

The chart below contains the risk factors that contribute to an increased risk of developing a chronic condition. These risk factors are related to the major causes of morbidity and mortality among South Carolinians. Some common behavioral risk factors that contribute to the leading causes of death are smoking, sedentary lifestyle, obesity, and high cholesterol. The prevalence of these risk factors from the 2005 South Carolina Behavioral Risk Factor Surveillance System (BRFSS) survey are listed in the table below for McCormick County.

RISK FACTOR	COUNTY (%)	STATE (%)
Current smoking	24	22
Sedentary lifestyle	25	26
Overweight	65	65
High Cholesterol	35	37

Some preventive measures such as immunization were included in the 2005 SC BRFSS. For persons age 65 and older in South Carolina:

39.1% have not received the flu shot in the past 12 months

34.4% have never had the pneumonia vaccination

Hospital/ED data in the following tables include ONLY those cases treated in SC hospitals. Cases treated in hospitals outside of SC are NOT included.

HYPERTENSION AND HYPERTENSIVE DISEASE	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	26.4	.	.	.	.	31.7
Number of hospitalizations	10	6	4	6	4	5,032
Crude rate of hospitalizations (per 100,000)	99	114	82	111	85	118
Median age of hospitalized patients	67	62	77	65	67	57
Total cost of hospitalization (\$)	100,100	62,200	37,900	68,600	31,500	109,400,500
Average length of hospital stay (days)	3	2	4	3	2	5
Number of ED visits	10	8	2	1	9	7,466
Crude rate of ED visits (per 100,000)	99	152	41	18	192	175
Median age of ED patients	65	65	55	57	67	52
Total cost of ED visits (\$)	20,700	17,200	3,500	2,300	18,400	9,929,000
Number of deaths**	2	1	1	1	1	423
Age-Adjusted Death rate (per 100,000)**	13	21	10	12	14	10

DISEASES OF THE HEART	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)*	4.8	.	.	.	.	4.1
Number of hospitalizations	118	56	62	67	51	60,901
Crude rate of hospitalizations (per 100,000)	1,167	1,065	1,278	1,238	1,086	1,431
Median age of hospitalized patients	67	57	72	67	67	67
Total cost of hospitalization (\$)	3,944,000	1,920,600	2,023,400	2,514,200	1,429,800	2,286,836,400
Average length of hospital stay (days)	4	4	4	4	4	5
Number of ED visits	38	24	14	22	16	12,989
Crude rate of ED visits (per 100,000)	376	457	289	406	341	305
Median age of ED patients	62	57	62	60	62	62
Total cost of ED visits (\$)	116,600	59,500	57,100	79,200	37,400	42,115,900
Number of deaths**	36	15	21	25	11	9,328
Age-Adjusted Death rate (per 100,000)**	246	307	221	372	138	218

STROKE	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)*	2.9	.	.	.	.	3
Number of hospitalizations	28	15	13	15	13	13,925
Crude rate of hospitalizations (per 100,000)	277	285	268	277	277	327
Median age of hospitalized patients	67	57	72	67	72	72
Total cost of hospitalization (\$)	674,700	354,000	320,700	327,900	346,800	384,441,600
Average length of hospital stay (days)	5	5	4	5	5	6
Number of ED visits	7	3	4	4	3	2,515
Crude rate of ED visits (per 100,000)	69	57	82	74	64	59
Median age of ED patients	72	77	62	62	85	67
Total cost of ED visits (\$)	17,600	5,200	12,400	12,900	4,700	9,113,000
Number of deaths**	6	3	3	2	4	2,440
Age-Adjusted Death rate (per 100,000)**	45	66	52	24	69	59

CHRONIC OBSTRUCTIVE PULMONARY DISEASE	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	25	11	14	9	16	15,753
Crude rate of hospitalizations (per 100,000)	247	209	289	166	341	370
Median age of hospitalized patients	62	57	67	67	57	62
Total cost of hospitalization (\$)	626,300	157,200	469,100	239,900	386,400	268,425,300
Average length of hospital stay (days)	5	4	6	4	5	5
Number of ED visits	95	78	17	39	56	36,543
Crude rate of ED visits (per 100,000)	940	1,484	350	720	1,193	859
Median age of ED patients	32	32	42	17	42	37
Total cost of ED visits (\$)	75,200	52,900	22,300	29,200	46,000	40,613,700
Number of deaths**	6	-	6	1	5	1,968
Age-Adjusted Death rate (per 100,000)**	40	-	58	15	60	46

DIABETES	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)*	10.1	.	.	.	.	10.3
Number of hospitalizations	32	23	9	11	21	9,027
Crude rate of hospitalizations (per 100,000)	317	438	186	203	447	212
Median age of hospitalized patients	67	62	82	67	67	52
Total cost of hospitalization (\$)	655,700	532,800	122,900	244,000	411,700	179,747,700
Average length of hospital stay (days)	6	6	6	7	5	6
Number of ED visits	24	20	4	8	16	9,603
Crude rate of ED visits (per 100,000)	237	380	82	148	341	226
Median age of ED patients	62	62	60	57	65	52
Total cost of ED visits (\$)	40,700	34,200	6,500	10,600	30,100	13,447,300
Number of deaths**	1	1	-	-	1	1,183
Age-Adjusted Death rate (per 100,000)**	6	-	-	-	-	27

ALL CANCERS	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	37	18	19	19	18	16,389
Crude rate of hospitalizations (per 100,000)	366	342	392	351	383	385
Median age of hospitalized patients	67	62	67	67	62	62
Total cost of hospitalization (\$)	1,373,500	525,400	848,100	800,500	573,000	664,309,500
Average length of hospital stay (days)	8	9	8	9	7	8
Number of deaths**	25	6	19	14	11	8,617
Age-Adjusted Death rate (per 100,000)**	180	112	239	217	148	196

COLORECTAL CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	6	3	3	2	4	2,070
Crude rate of hospitalizations (per 100,000)	59	57	62	37	85	49
Median age of hospitalized patients	62	67	57	70	62	67
Total cost of hospitalization (\$)	142,200	82,700	59,500	37,100	105,100	101,377,700
Average length of hospital stay (days)	7	9	5	7	8	10
Number of deaths**	1	1	-	-	1	812
Age-Adjusted Death rate (per 100,000)**	6	15	-	-	12	19

BREAST CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	1	1	-	-	1	1,228
Crude rate of hospitalizations (per 100,000)	21	41	-	-	63	56
Median age of hospitalized patients	42	42	-	-	42	62
Total cost of hospitalization (\$)	7,200	7,200	-	-	7,200	26,163,000
Average length of hospital stay (days)	1	1	-	-	1	3
Number of deaths**	1	-	1	-	1	651
Age-Adjusted Death rate (per 100,000)**	14	-	21	-	14	26

CERVICAL CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	-	-	-	-	-	192
Crude rate of hospitalizations (per 100,000)	-	-	-	-	-	9
Median age of hospitalized patients	-	-	-	-	-	47
Total cost of hospitalization (\$)	-	-	-	-	-	4,668,500
Average length of hospital stay (days)	-	-	-	-	-	4
Number of deaths**	-	-	-	-	-	63
Age-Adjusted Death rate (per 100,000)**	-	-	-	-	-	3

LUNG CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	5	2	3	3	2	2,181
Crude rate of hospitalizations (per 100,000)	49	38	62	55	43	51
Median age of hospitalized patients	62	57	72	57	75	67
Total cost of hospitalization (\$)	176,800	69,900	106,900	143,700	33,100	92,775,300
Average length of hospital stay (days)	10	14	7	15	2	9
Number of deaths**	6	1	5	3	3	2,703
Age-Adjusted Death rate (per 100,000)**	40	15	51	39	38	61

PROSTATE CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	5	4	1	5	-	1,209
Crude rate of hospitalizations (per 100,000)	92	142	38	92	-	58
Median age of hospitalized patients	72	70	77	72	-	62
Total cost of hospitalization (\$)	72,200	56,300	15,900	72,200	-	30,356,600
Average length of hospital stay (days)	1	2	1	1	-	4
Number of deaths**	3	1	2	3	-	460
Age-Adjusted Death rate (per 100,000)**	50	49	40	50	-	30

*Prevalence estimates at regional level

**Mortality data were provided by Division of Biostatistics, Office of Public Health Statistics and Information Systems, DHEC using ICD-10 codes.

All hospitalizations of Blacks include Blacks and Others.

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